

Claims:

1. A composite material comprising:

a highly oriented polymer produced by a drawing process; and,

a particulate filler non-adhering with said highly oriented polymer capable of reacting with a fluid to form a cementitious bond;

wherein the amount and degree of dispersion of said filler is such as to form interpenetrating polymer and cementitious networks in said composite material upon reaction of said filler with said fluid.
2. The composite material as claimed in claim 1 wherein:

said particulate filler is a member selected from the group consisting of silicate cements and gypsum.
3. The composite material of claim 2 wherein:

said particulate filler includes at least one of Portland cement and calcium sulphate hemi-hydrate.
4. The composite material of claim 3 wherein said particulate filler further includes a non-reactive component.
5. The composite material of claim 4 wherein said non-reactive component is wood sawdust.
6. The composite material of claim 1 wherein the drawing process is a die drawing process.
7. The composite material of claim 1 wherein the drawing process is a free drawing process.
8. The composite material of claim 3 wherein the weight ratio of Portland cement to oriented polymer is between 37.5 wt.% and 67.5 wt.%.

9. The composite material of claim 12 wherein the weight ratio of Portland cement to oriented polymer is 67.5 wt.%.